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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,742		10/22/2001	Sivagnanam Parthasarathy	01-LJ-062	6367
30428	7590	12/15/2005		EXAMINER	
		ONICS, INC.	MALZAHN, DAVID H		
MAIL STAT 1310 ELECT		=	ART UNIT	PAPER NUMBER	
CARROLLT			2193		

DATE MAILED: 12/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
	Office Action Summan.	10/032,742	PARTHASARATHY ET AL.				
	Office Action Summary	Examiner	Art Unit				
		David H. Malzahn	2193				
Period fo	The MAILING DATE of this communication apports. The Reply	pears on the cover sheet with the c	orrespondence address				
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLEMENTER IS LONGER, FROM THE MAILING DISSION OF THE MAILING DISSION OF THE MAILING DISSION OF THE MAILING DISSION OF THE METERS OF THE MAILING DISSION OF THE METERS O	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	I. lely filed the mailing date of this communication. C (35 U.S.C. § 133).				
Status		·					
1)	Responsive to communication(s) filed on						
·	This action is FINAL . 2b) This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims						
4)🖂	Claim(s) 1-26 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠	Claim(s) <u>8-19 and 24-26</u> is/are allowed.						
6)⊠	Claim(s) <u>1-7 and 20-22</u> is/are rejected.						
7)⊠							
8)□	Claim(s) are subject to restriction and/o	or election requirement.					
Applicati	on Papers						
9)	The specification is objected to by the Examine	er.					
10)	The drawing(s) filed on is/are: a)☐ acc	epted or b) \square objected to by the \mathbb{R}	Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	xaminer. Note the attached Office	Action or form PTO-152.				
Priority ι	ınder 35 U.S.C. § 119						
-	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea	ts have been received. Is have been received in Application In the documents have been received.	on No				
* 5	See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	d.				
Attachmen	t(s)						
	e of References Cited (PTO-892)	4) Interview Summary					
3) 🔲 Inforr	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Da 5) ☐ Notice of Informal P 6) ☐ Other:	atent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-7 and 20-22 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims are directed to a method or process for multiplying two elements of a finite field to produce and provide the multiplier output via a mathematical algorithm. The claims are not limited to a practical application of the mathematical algorithm because the multiplier output is not a useful, concrete and tangible result. More specifically the multiplier output is not a tangible result because it is not a real world result.

Relative to applicants' remarks, the reciting of "a machine implemented method" does not limit the method to a practical application recitation of practical applications in the specification does not limit the claims to a practical application. Also relative to applicants' remarks the producing and providing of "the multiplier output" and "the multiplicative product" does not made the result a real world result.

Allowable Subject Matter

2. Claims 8-19 and 24-26 are allowed.

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3. Claim 23 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (571) 272-3727. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on 571-272-3719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at §66-217-9197 (toll-free).

David H. Malzahn Primary Examiner Art Unit 2193